

This document was developed as part of the conduct of a Remedial Investigation/Feasibility Study in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Contingency Plan to investigate the nature and extent of contamination in sediments in the Six Mile Passaic River Study Area, NJ, including historical and on-going sources. These documents have been developed in cooperation with, and were approved under, CERCLA by U.S. EPA Region 2. The reader is cautioned to carefully consider the specialized goals and objectives of these investigations, and to review all related documents.

Remedial Investigation Work Plan

Quality Assurance Project Plan

for the

Passaic River Study Area

January 1995

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1.0 PROJECT DESCRIPTION

1.1 INTRODUCTION

This Quality Assurance Project Plan (QAPP) has been prepared pursuant to Section VII, Paragraph 35 of the Administrative Order on Consent (AOC) in the matter of the Passaic River Study Area. This QAPP has been prepared in accordance with the requirements of Section B.3.c of the Statement of Work (SOW) (Appendix 1 of the AOC).

1.2 SITE DESCRIPTION

The site description is included as Section 2.0 of the Investigation Work Plan (IWP).

1.3 WORK TO BE PERFORMED

The work to be performed is described in detail in Section 3.0 of the Field Sampling Plan (FSP).

1.4 OBJECTIVES OF THE WORK

The specific investigation objectives of the work are included as Section 5.0 through 7.0 of the IWP.

2.0

PROJECT ORGANIZATION AND RESPONSIBILITY

The project organization and reporting relationships for implementation of the work to be performed are shown on Figure 2-1. This organization chart displays the structure for all work to be conducted as specified in the AOC. This includes both work under the IWP of which this QAPP is a part, and work under the Feasibility Study Work Plan (FSWP). All major contractors, their subcontractors, their key employees, and the key employees' responsibilities are identified in the Site Management Plan (SMP) and in SMP addenda to be prepared and submitted to EPA when required by assignment of new major contractors or changes in key employees.

All aspects of the work to be performed pursuant to the AOC will be under the direction and supervision of the Facility Coordinator or Alternate Facility Coordinator as specified in the AOC. The Facility Coordinator will be responsible for the day-to-day management of all work to be performed pursuant to the AOC. The Facility Coordinator will be the primary contact for EPA on all matters relating to the work at the Site.

The Facility Coordinator will appoint a project Quality Assurance Officer (QAO). The QAO has the overall responsibility to monitor that the work is performed in accordance with this plan, the IWP, the FSP, the Standard Operating Procedures (SOPs), and other applicable procedures. The QAO shall be independent of the contractors and shall report to the same corporate entity that the Facility Coordinator reports to.

The Facility Coordinator may engage contractors to perform work required under the AOC. Each contractor will have a Contractor Project Manager (CPM) designated by the Facility Coordinator. The CPM will have overall responsibility for his/her

organization's specific project tasks through all phases of the project. The CPM may be changed to suit effective implementation of the organization's tasks during implementation of the work.

The contractors responsible for the major portions of the work to be conducted pursuant to this AOC (characterization of the sediments, SOW Section B.3.a.i; contaminant exposure to human and ecological receptors, SOW Section B.3.a.ii; evaluation of sediment mobility, SOW Section B.3.a.iii; and feasibility study, SOW Section G) shall each appoint the Contractor QA/QC Officer as shown in Figure 2-1. The Contractor QA/QC Officer shall answer directly to the QAO. The Contractor QA/QC Officer has the responsibility to monitor that the contractor's work is performed in accordance with this plan, the IWP, the FSP, the Standard Operating Procedures (SOPs), and other applicable procedures. The Contractor QA/QC Officer also has the responsibility to assess the effectiveness of the QA/QC program and to recommend modifications to the program where applicable. The Contractor QA/QC Officer is responsible for reviewing and verifying the disposition of corrective action reports and for any quality assurance audits. The Contractor QA/QC Officer will advise the CPM on implementation of the QA/QC program, but the QA/QC functions of the Contractor QA/QC Officer are independent of the CPM. The Contractor QA/QC Officer has the authority to halt work in case of major problems or nonconformances to the QA program or if numerous minor problems are not corrected in a timely manner.

The contractors responsible for work to be conducted at the Site pursuant to this AOC shall each appoint a Health and Safety Officer (HSO). The HSO works directly with the CPM and other project personnel. The HSO has the responsibility to monitor and verify that the contractor's work is performed in accordance with the Health and Safety Contingency Plan (HASCP). The HSO will advise the CPM regarding health and safety issues, but will function independently of the CPM. The HSO may designate and oversee the activities of a Site Health and Safety Officer (SSO) who monitors all Site

activities and is responsible for the implementation of and compliance with the HASCP. In Figure 2-1, the HSO and SSO relationships are typical and will exist for each task involving work to be conducted at the Site.

If a contractor is responsible for more than one of the tasks represented on Figure 2-1, then a single person can serve as the CPM and a second person as the QA/QC Officer for all of the tasks for which that contractor is responsible.